July 6, 1948. W. C. MARSH ET AL 2,444,877

STENCIL PUNCH

Filed Oct. 3, 1944

Fig. 1.

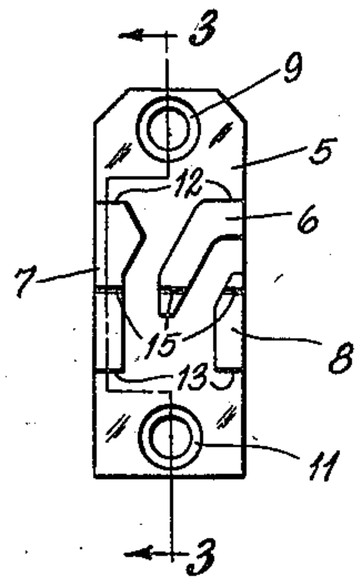


Fig. 2.

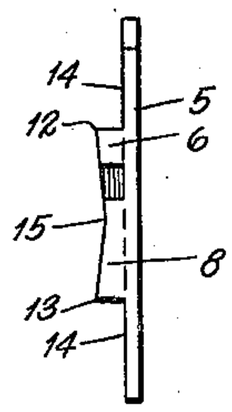
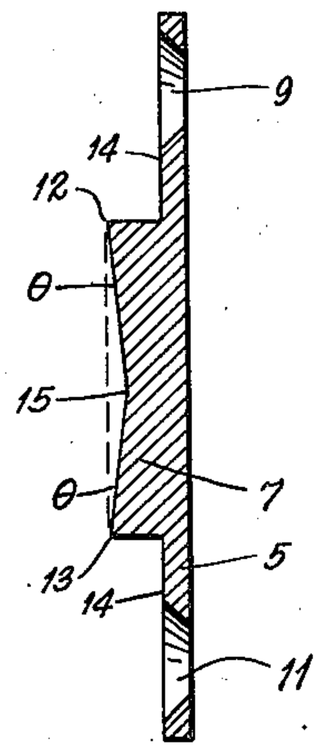


Fig. 3.



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UNITED STATES PATENT OFFICE

2,444,877

STENCIL PUNCH

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Application October 3, 1944, Serial No. 557,016

3 Claims. (Cl. 164—124)

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This invention relates to an improved stencil device and an improved method for making the same, and concerns itself more particularly with stencil character punches.

Stencil machines of the type disclosed in United States Patent No. 2,293,339, filed June 3, 1939, by Walton C. Marsh et al., are used for the preparation of stencil blanks [illegible] are provided with a series of [illegible] ing punches represent[illegible] character[illegible] as to b[illegible] cuttin[illegible] wi[illegible]

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merals have been used throughout to designate like parts and in which:

Fig. 1 is a plan view of an improved stencil character punch produced by the improved method taught by the invention;

Fig. 2 is a side [illegible]

ished product at the same time the character punch is cast or formed.

By means of this process, a character punch is produced in which the character segments and the backing plate are formed in one piece to accurate dimensions. Since the countersinks are formed by, and the character segments are cast with, shear when the punch is formed, the character punch comes from the forming process as a finished product and requires no further operation thereon.

In addition to the economies provided by this method of producing a character punch, the article itself is improved in that its character segments are unitary with the backing plate with which they are carried. Further it has been found in successfully practicing the invention that punches may be made of brass alloy, although other metals which will hold a good cutting edge and which are adaptable to the above enumerated forming processes may be used. An article made by this method is accurate in its dimensions, is produced as a finished product, and is not subject to failure due to separation of its segments from its backing plate.

As many changes can be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative, and not in a limiting sense.

What is claimed is:

1. As an article of manufacture, a unitary character punch comprising a character segment and a backing plate from which said segment projects, said segment being configurated to possess shear simultaneously at the time said segment and said backing plate are formed in a unitary structure.

2. As an article of manufacture, an integral character punch having a character segment and a backing plate therefor, said character punch being characterized as a unitary casting, said character segment having a cast shear and said backing plate having one or more countersinks cast therein.

3. As an article of manufacture, a stencil character punch having a character segment and a backing plate therefor, said character punch being characterized as a unitary casting, with the character segment thereof having a cast shear.

WALTON C. MARSH.
HERBERT W. HEMPEL.

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